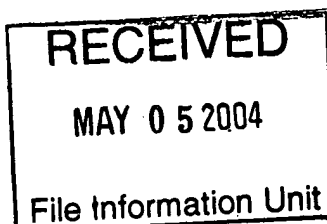


Bring completed form to:
 File Information Unit
 Crystal Plaza Three, Room 1001
 2021 South Clark Place
 Arlington, VA
 Telephone: (703) 306-2783



In re Application of

Application Number

09/453,729

Filed

12/2/99

Paper No.

76

I hereby request access under 37 CFR 1.14(a)(1)(iv) to the application file record of the above-identified ABANDONED application, which is identified in, or to which a benefit is claimed, in the following document (as shown in the attachment):

United States Patent Application Publication No. _____, page _____, line _____

United States Patent Number 6656238, column _____, line _____, or

WIPO Pub. No. _____, page _____, line _____

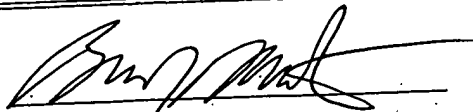
Related Information about Access to Pending Applications (37 CFR 1.14):

Direct access to pending applications is not available to the public but copies may be available and may be purchased from the Office of Public Records upon payment of the appropriate fee (37 CFR 1.19(b)), as follows:
 For published applications that are still pending, a member of the public may obtain a copy of:

- the file contents;
- the pending application as originally filed; or
- any document in the file of the pending application.

For unpublished applications that are still pending:

- (1) If the benefit of the pending application is claimed under 35 U.S.C. 119(e), 120, 121, or 365 in another application that has: (a) issued as a U.S. patent, or (b) published as a statutory invention registration, a U.S. patent application publication, or an international patent application publication in accordance with PCT Article 21(2), a member of the public may obtain a copy of:
 - the file contents;
 - the pending application as originally filed; or
 - any document in the file of the pending application.
- (2) If the application is incorporated by reference or otherwise identified in a U.S. patent, a statutory invention registration, a U.S. patent application publication, or an international patent application publication in accordance with PCT Article 21(2), a member of the public may obtain a copy of:
 - the pending application as originally filed.



Signature

BRIAN J. MARTIN

Typed or printed name

5/5/04

Date

Registration Number, if applicable

703 684-5600

Telephone Number

FOR PTO USE ONLY

Approved by:

P.E.K.
 (Initials)

Unit:

File Information
 Unit 1

This collection of information is required by 37 CFR 1.14. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1460, Alexandria, VA 22304-1460. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. BRING TO: File Information Unit, Crystal Plaza Three, Room 1001, 2021 South Clark Place, Arlington, VA.

(If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2)



US006656238B1

(12) **United States Patent**
Rogers et al.

(10) Patent No.: **US 6,656,238 B1**
(45) Date of Patent: ***Dec. 2, 2003**

(54) **COAL-BASED CARBON FOAM**

(75) Inventors: **Darren Kenneth Rogers**, Wheeling,
WV (US); **Janusz Wladyslaw**
Plucinski, Glen Dale, WV (US)

(73) Assignee: **Touchstone Research Lab.**,
Triadelphia, WV (US)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 130 days.

This patent is subject to a terminal dis-
claimer.

3,111,396 A	11/1963	Ball
3,185,635 A	5/1965	Creglow
3,309,437 A	3/1967	Harnett
3,754,876 A	8/1973	Pennington et al.
4,127,391 A	11/1978	Koppelman
4,128,401 A	12/1978	Powell et al.
4,432,773 A	2/1984	Euker, Jr. et al.
4,475,924 A	10/1984	Meyer
4,632,731 A	12/1986	Bodle et al.
4,668,244 A	5/1987	Nakamura et al.
4,849,021 A	7/1989	Nakai et al.
5,705,139 A	1/1998	Stiller et al.
5,888,469 A	3/1999	Stiller et al.
6,033,506 A	* 3/2000	Klett 156/78

FOREIGN PATENT DOCUMENTS

GB 1 489 690 10/1977

* cited by examiner

(21) Appl. No.: **09/954,490**

(22) Filed: **Sep. 17, 2001**

Related U.S. Application Data

(63) Continuation-in-part of application No. 09/453,729, filed on
Dec. 2, 1999.

(51) Int. Cl.⁷ **C10L 5/00**

(52) U.S. Cl. **44/620; 44/607; 44/628;**
264/29.1; 423/448; 423/460; 428/408

(58) Field of Search **44/620, 607, 628;**
201/35; 423/448, 460; 428/408; 264/29.1

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,018,227 A 7/1962 Baum et al.

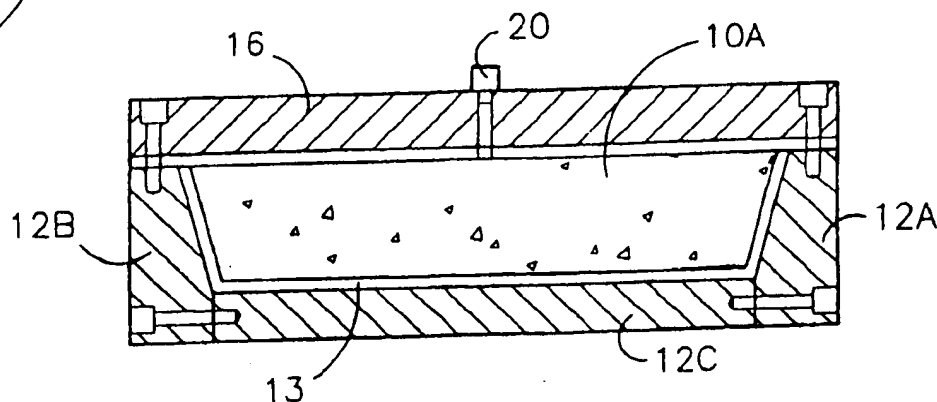
Primary Examiner—Margaret Medley

(74) Attorney, Agent, or Firm—McGuire Woods LLP

(57) **ABSTRACT**

A method for the manufacture of coal-based carbon foams from a coal particulate starting material that comprises blending from 1 to about 10% by weight of pitch with the coal particulate before foaming. Blends of coal-based particulate with 1 to about 10% by weight of pitch as well as coal-based carbon foams manufactured from such blends are also described.

11 Claims, 2 Drawing Sheets



According to
FILE INFORMATION
UNIT
ABANDONED